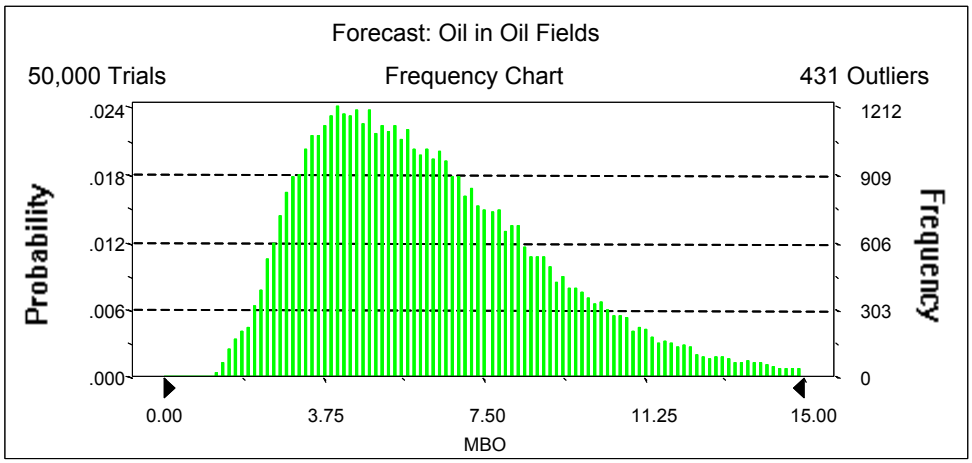
50200402
Paleozoic/Mesozoic Conventional Oil and Gas
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:

Display range is from 0.00 to 15.00 MBO
Entire range is from 1.13 to 25.82 MBO
After 50,000 trials, the standard error of the mean is 0.01

Statistics:	Value
Trials	50000
Mean	6.29
Median	5.82
Mode	---
Standard Deviation	2.81
Variance	7.91
Skewness	0.97
Kurtosis	4.24
Coefficient of Variability	0.45
Range Minimum	1.13
Range Maximum	25.82
Range Width	24.69
Mean Standard Error	0.01



Forecast: Oil in Oil Fields (cont'd)

Percentiles:

Percentile	MBO
100%	1.13
95%	2.66
90%	3.13
85%	3.51
80%	3.86
75%	4.17
70%	4.49
65%	4.81
60%	5.14
55%	5.48
50%	5.82
45%	6.19
40%	6.56
35%	6.96
30%	7.41
25%	7.91
20%	8.48
15%	9.17
10%	10.10
5%	11.55
0%	25.82

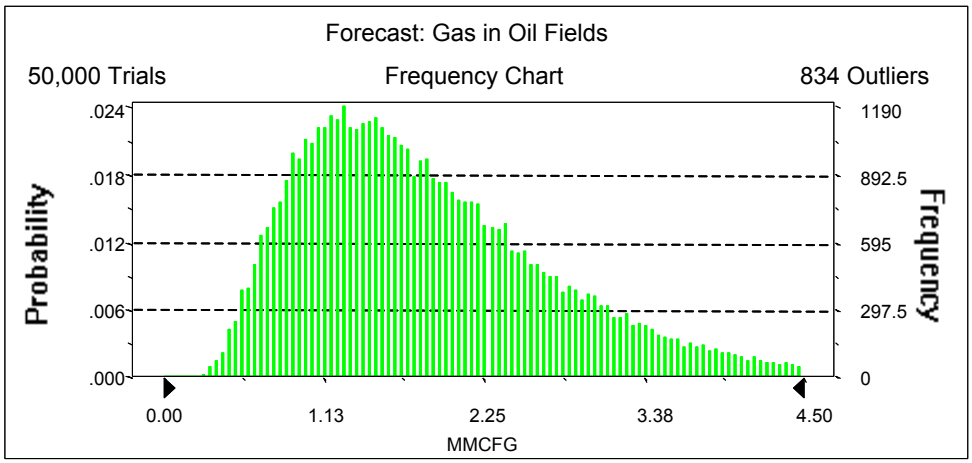
End of Forecast

Forecast: Gas in Oil Fields

Summary:

Display range is from 0.00 to 4.50 MMCFG
Entire range is from 0.23 to 8.75 MMCFG
After 50,000 trials, the standard error of the mean is 0.00

Statistics:	Value
Trials	50000
Mean	1.89
Median	1.70
Mode	---
Standard Deviation	0.94
Variance	0.89
Skewness	1.16
Kurtosis	4.95
Coefficient of Variability	0.50
Range Minimum	0.23
Range Maximum	8.75
Range Width	8.52
Mean Standard Error	0.00



Forecast: Gas in Oil Fields (cont'd)

Percentiles:

Percentile	MMCFG
100%	0.23
95%	0.71
90%	0.87
85%	0.98
80%	1.09
75%	1.19
70%	1.29
65%	1.39
60%	1.50
55%	1.60
50%	1.70
45%	1.82
40%	1.94
35%	2.08
30%	2.23
25%	2.39
20%	2.59
15%	2.84
10%	3.16
5%	3.69
0%	8.75

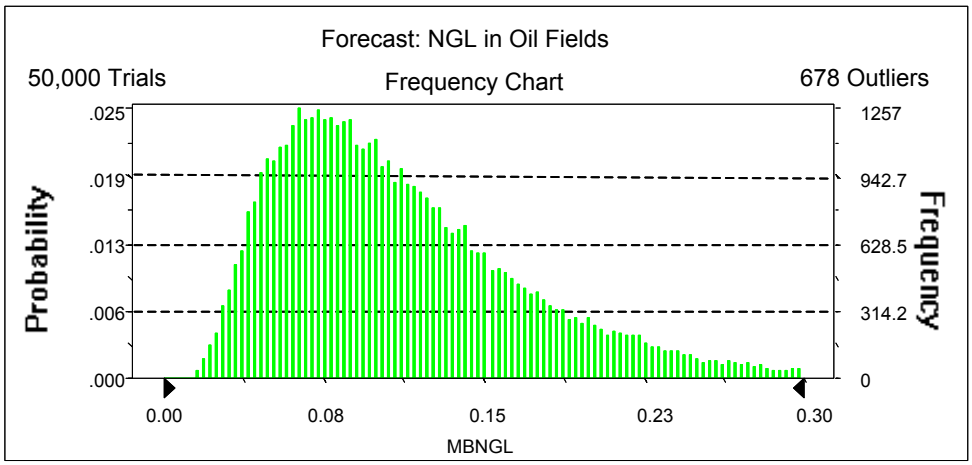
End of Forecast

Forecast: NGL in Oil Fields

Summary:

Display range is from 0.00 to 0.30 MBNGL
Entire range is from 0.01 to 0.71 MBNGL
After 50,000 trials, the standard error of the mean is 0.00

Statistics:	Value
Trials	50000
Mean	0.11
Median	0.10
Mode	---
Standard Deviation	0.06
Variance	0.00
Skewness	1.34
Kurtosis	5.81
Coefficient of Variability	0.55
Range Minimum	0.01
Range Maximum	0.71
Range Width	0.70
Mean Standard Error	0.00



Forecast: NGL in Oil Fields (cont'd)

Percentiles:

Percentile	MBNGL
100%	0.01
95%	0.04
90%	0.05
85%	0.06
80%	0.06
75%	0.07
70%	0.07
65%	0.08
60%	0.09
55%	0.09
50%	0.10
45%	0.11
40%	0.12
35%	0.12
30%	0.13
25%	0.14
20%	0.16
15%	0.17
10%	0.20
5%	0.23
0%	0.71

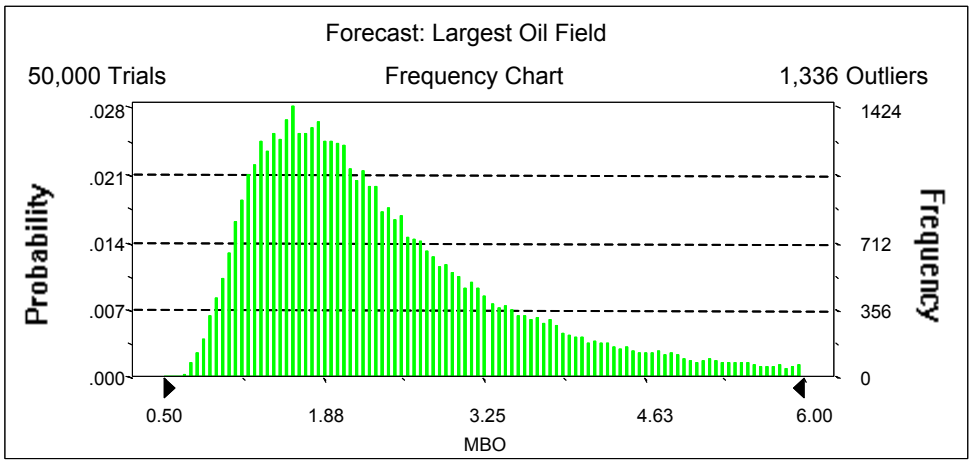
End of Forecast

Forecast: Largest Oil Field

Summary:

Display range is from 0.50 to 6.00 MBO
Entire range is from 0.59 to 9.98 MBO
After 50,000 trials, the standard error of the mean is 0.01

Statistics:	Value
Trials	50000
Mean	2.48
Median	2.14
Mode	---
Standard Deviation	1.31
Variance	1.71
Skewness	1.85
Kurtosis	7.61
Coefficient of Variability	0.53
Range Minimum	0.59
Range Maximum	9.98
Range Width	9.39
Mean Standard Error	0.01



Forecast: Largest Oil Field (cont'd)

Percentiles:

Percentile	MBO
100%	0.59
95%	1.11
90%	1.26
85%	1.38
80%	1.49
75%	1.60
70%	1.70
65%	1.80
60%	1.91
55%	2.02
50%	2.14
45%	2.27
40%	2.41
35%	2.57
30%	2.75
25%	2.97
20%	3.24
15%	3.61
10%	4.13
5%	5.10
0%	9.98

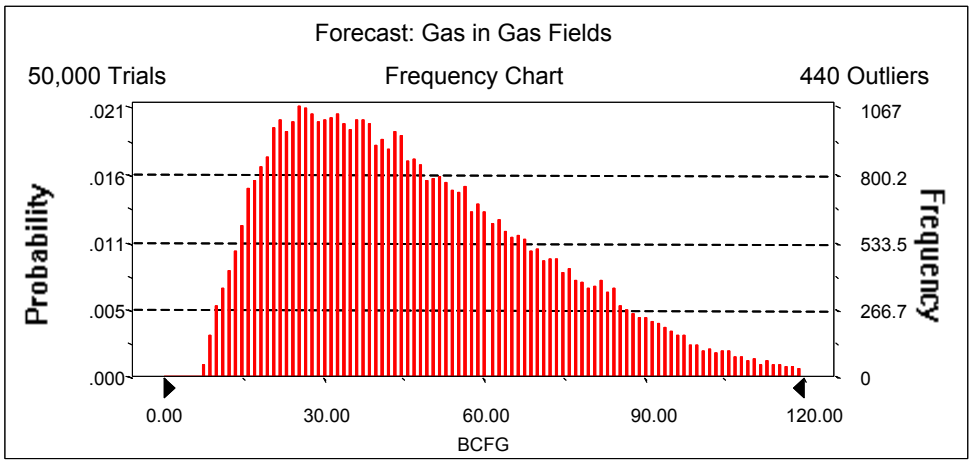
End of Forecast

Forecast: Gas in Gas Fields

Summary:

Display range is from 0.00 to 120.00 BCFG
Entire range is from 6.74 to 191.64 BCFG
After 50,000 trials, the standard error of the mean is 0.11

Statistics:	Value
Trials	50000
Mean	48.04
Median	43.74
Mode	---
Standard Deviation	24.83
Variance	616.38
Skewness	0.82
Kurtosis	3.48
Coefficient of Variability	0.52
Range Minimum	6.74
Range Maximum	191.64
Range Width	184.90
Mean Standard Error	0.11



Forecast: Gas in Gas Fields (cont'd)

Percentiles:

Percentile	BCFG
100%	6.74
95%	15.82
90%	19.60
85%	22.70
80%	25.70
75%	28.54
70%	31.46
65%	34.42
60%	37.41
55%	40.50
50%	43.74
45%	47.02
40%	50.67
35%	54.55
30%	58.74
25%	63.45
20%	68.78
15%	75.11
10%	82.88
5%	94.30
0%	191.64

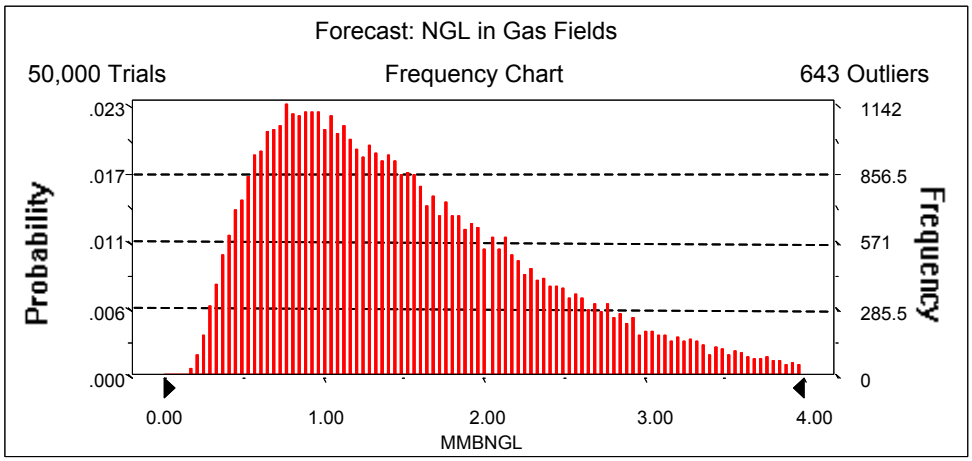
End of Forecast

Forecast: NGL in Gas Fields

Summary:

Display range is from 0.00 to 4.00 MMBNGL
Entire range is from 0.13 to 7.42 MMBNGL
After 50,000 trials, the standard error of the mean is 0.00

Statistics:	Value
Trials	50000
Mean	1.54
Median	1.36
Mode	---
Standard Deviation	0.87
Variance	0.75
Skewness	1.07
Kurtosis	4.33
Coefficient of Variability	0.56
Range Minimum	0.13
Range Maximum	7.42
Range Width	7.29
Mean Standard Error	0.00



Forecast: NGL in Gas Fields (cont'd)

Percentiles:

Percentile	MMBNGL
100%	0.13
95%	0.47
90%	0.59
85%	0.69
80%	0.78
75%	0.87
70%	0.96
65%	1.06
60%	1.15
55%	1.25
50%	1.36
45%	1.47
40%	1.59
35%	1.72
30%	1.86
25%	2.02
20%	2.21
15%	2.44
10%	2.74
5%	3.21
0%	7.42

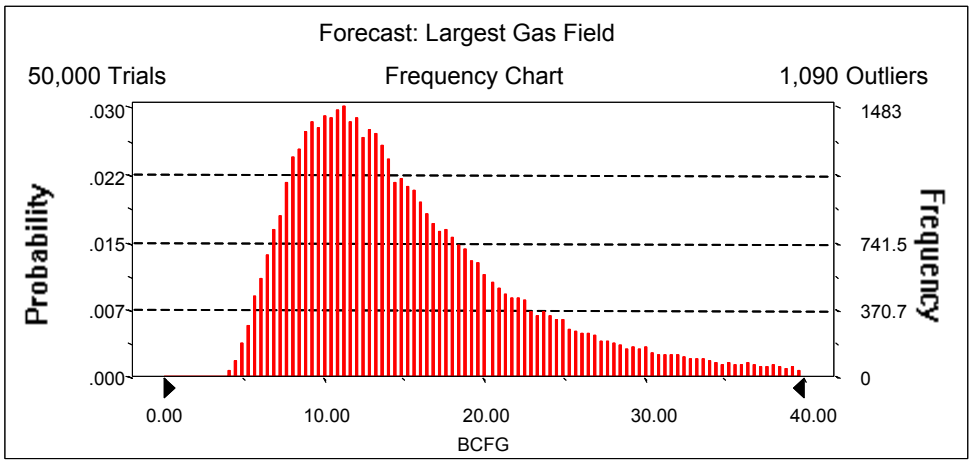
End of Forecast

Forecast: Largest Gas Field

Summary:

Display range is from 0.00 to 40.00 BCFG
Entire range is from 3.46 to 59.97 BCFG
After 50,000 trials, the standard error of the mean is 0.04

Statistics:	Value
Trials	50000
Mean	15.95
Median	13.84
Mode	---
Standard Deviation	8.29
Variance	68.77
Skewness	1.70
Kurtosis	6.86
Coefficient of Variability	0.52
Range Minimum	3.46
Range Maximum	59.97
Range Width	56.51
Mean Standard Error	0.04



Forecast: Largest Gas Field (cont'd)

Percentiles:

Percentile	BCFG
100%	3.46
95%	6.91
90%	7.99
85%	8.80
80%	9.54
75%	10.25
70%	10.94
65%	11.62
60%	12.33
55%	13.07
50%	13.84
45%	14.69
40%	15.63
35%	16.66
30%	17.87
25%	19.22
20%	20.91
15%	23.23
10%	26.51
5%	32.52
0%	59.97

End of Forecast

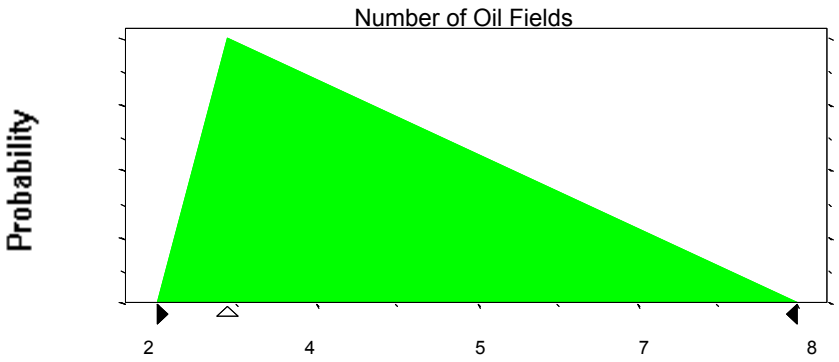
Assumptions

Assumption: Number of Oil Fields

Triangular distribution with parameters:

Minimum	2
Likeliest	3
Maximum	8

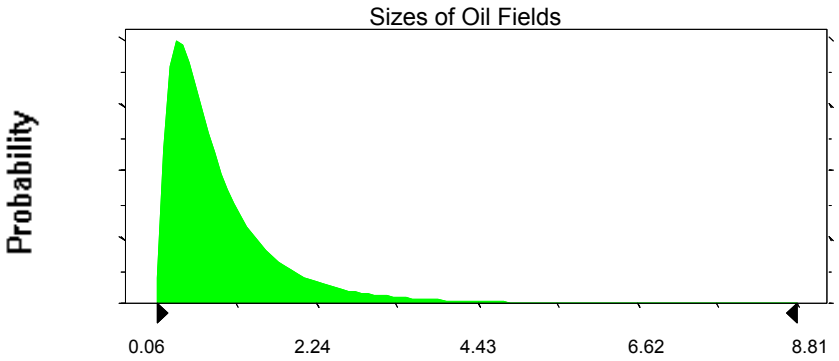
Selected range is from 2 to 8
Mean value in simulation was 4



Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	1.00	1.50
Standard Deviation	1.02	1.02
Selected range is from	0.00 to 9.50	0.50 to 10.00
Mean value in simulation was	0.99	1.49

Assumption: Sizes of Oil Fields (cont'd)

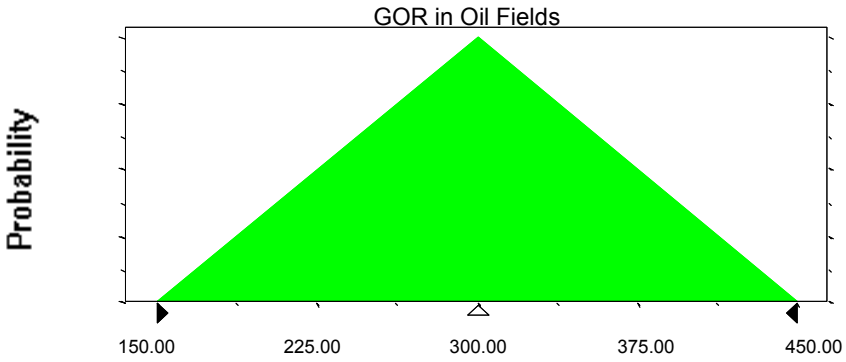


Assumption: GOR in Oil Fields

Triangular distribution with parameters:

Minimum	150.00
Likeliest	300.00
Maximum	450.00

Selected range is from 150.00 to 450.00
Mean value in simulation was 300.25

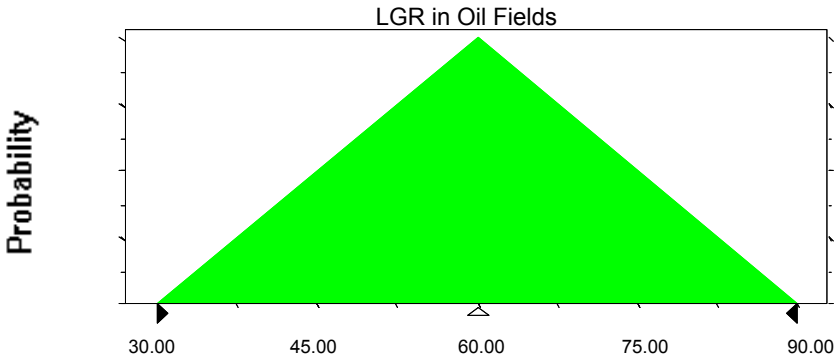


Assumption: LGR in Oil Fields

Triangular distribution with parameters:

Minimum	30.00
Likeliest	60.00
Maximum	90.00

Selected range is from 30.00 to 90.00
Mean value in simulation was 60.09



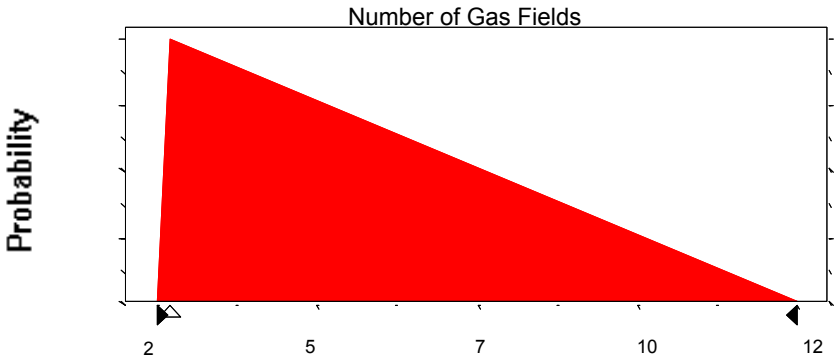
Assumption: Number of Gas Fields

Triangular distribution with parameters:

Minimum	2
Likeliest	2
Maximum	12

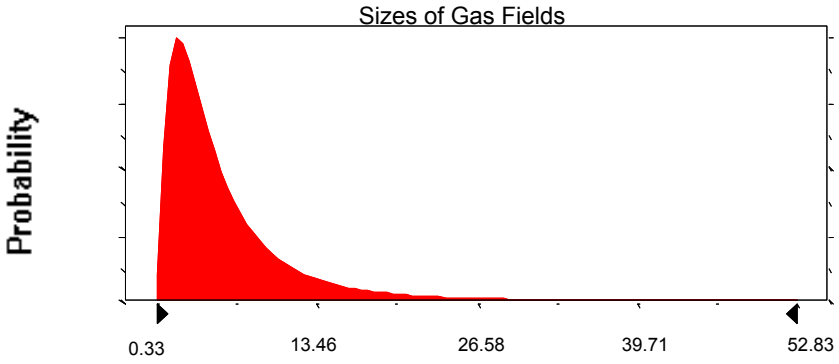
Selected range is from 2 to 12
Mean value in simulation was 5

Assumption: Number of Gas Fields (cont'd)



Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	6.00	9.00
Standard Deviation	6.11	6.11
Selected range is from 0.00 to 57.00		3.00 to 60.00
Mean value in simulation was 5.97		8.97

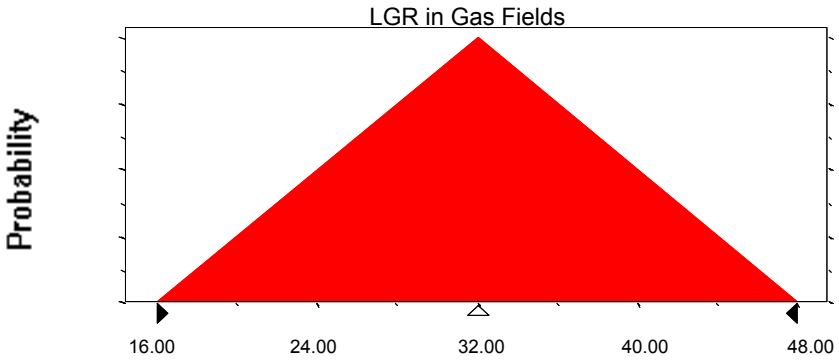


Assumption: LGR in Gas Fields

Triangular distribution with parameters:

Minimum	16.00
Likeliest	32.00
Maximum	48.00

Selected range is from 16.00 to 48.00
Mean value in simulation was 31.96



End of Assumptions

Simulation started on 10/20/00 at 16:49:51
Simulation stopped on 10/20/00 at 17:04:51